

**SURGICAL APPARATUS FOR SUBSTITUTION WITH ARTIFICIAL JOINT**

Publication number: JP5123334 (A)

Publication date: 1993-05-21

Inventor(s): YAGI WATARU; YAMADA MASUO; ISHII MASAMI; SAWAI KAZUHIKO; OTSUKA HIROSHI; YAMAMOTO TAKAHIRO; MATSUDA YASUMASA; HATTORI YUICHI

Applicant(s): AISIN SEIKO

Classification:

• International: A61B17/16; A61B17/56; A61F2/30; A61B17/17; A61B17/18; A61B17/58; A61F2/30;  
 (IPC1-7): A61B17/16, A61B17/56, A61F2/30

• European: A61B17/1652C

Application number: JP19910291750 19911107

Priority number(s): JP19910291750 19911107

Abstract of JP 5123334 (A)

**PURPOSE:** To provide a surgical operation apparatus, which does not require skillfulness of the operator, can shorten the time for operation, and prevent eccentric wear and joint dislocation caused by misinstallation of a socket. **CONSTITUTION:** An operation apparatus for substitution with an artificial joint comprises a supporting rod 1, a gripping part 2 mounted on the rod 1, a socket interlocked shaft 3b working slidably within the rod 1, a socket chuck part 3 secured to the socket interlocked shaft 3b, and a lever 4 interlocked with the socket interlocked shaft 3b, wherein a socket 50 is mounted in and removed from the socket chuck part 3 by turning the lever 4. The supporting shaft 1 is furnished with an angle indicator 20 having an angle indicating rod 9 which can make setting of specified angle relative to the supporting shaft 1.

